IN THE CLAIMS

I. Substitution of Claims

Please substitute the below pending elaims with the corresponding amended claims, as shown below:

1. (Amended twice) A process for cleaning substrates comprising:

cleaning the substrates with an organic solvent in absence of liquid carbon dioxide; and removing the organic solvent from the substrates using a pressurized fluid solvent; wherein the organic solvent is of the structural formula:

 $H = \left(O - \begin{array}{c|c} R_1 & H \\ \hline \\ C & C \\ \hline \\ H & H \end{array}\right)_X \left(O - \begin{array}{c|c} R_2 & H \\ \hline \\ C & C \\ \hline \\ H & H \end{array}\right)_y \left(O - \begin{array}{c|c} R_3 & H \\ \hline \\ C & C \\ \hline \\ H & H \end{array}\right)_z O - R$

wherein x, y, and z each is zero or one;

at least one of x, y, and z is one;

R' is C_jH_{2j+1} wherein j is an integer between one and (13-3(x+y+z)), inclusive; and C_{10}

 R_{1-3} are independently H or CH_3 ;

wherein when the pressurized fluid solvent is liquid carbon dioxide, the liquid carbon dioxide is under a pressure between approximately 600 pounds per square inch to approximately 1050 pounds per square inch.

2. (Amended twice) A process for cleaning substrates comprising: cleaning the substrates with an organic solvent in absence of liquid carbon dioxide; and removing the organic solvent from the substrates using a pressurized fluid solvent; wherein the organic solvent is of the structural formula:

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$$H = \begin{pmatrix} 0 & -\frac{R_1}{C} & -\frac{R_7}{C} \\ -\frac{C}{C} & -\frac{C}{C} \\ -\frac{C}{R_4} & -\frac{C}{R_{10}} \end{pmatrix} \times \begin{pmatrix} 0 & -\frac{R_2}{C} & -\frac{R_8}{C} \\ -\frac{C}{C} & -\frac{C}{C} \\ -\frac{C}{R_5} & -\frac{R_{11}}{C} \end{pmatrix} \times \begin{pmatrix} 0 & -\frac{R_2}{C} & -\frac{R_8}{C} \\ -\frac{C}{R_5} & -\frac{R_{11}}{C} \end{pmatrix} \times \begin{pmatrix} 0 & -\frac{R_2}{C} & -\frac{R_8}{C} \\ -\frac{R_3}{C} & -\frac{R_9}{C} \\ -\frac{R_3}{C} & -\frac{R_9}{C} \end{pmatrix} \times \begin{pmatrix} 0 & -\frac{R_2}{C} & -\frac{R_8}{C} \\ -\frac{R_3}{C} & -\frac{R_9}{C} \\ -\frac{R_3}{C} & -\frac{R_9}{C} \end{pmatrix} \times \begin{pmatrix} 0 & -\frac{R_2}{C} & -\frac{R_8}{C} \\ -\frac{R_3}{C} & -\frac{R_9}{C} \\ -\frac{R_3}{C} & -\frac{R_9}{C} \end{pmatrix} \times \begin{pmatrix} 0 & -\frac{R_3}{C} & -\frac{R_9}{C} \\ -\frac{R_3}{C} & -\frac{R_9}{C} \\ -\frac{R_3}{C} & -\frac{R_9}{C} \end{pmatrix} \times \begin{pmatrix} 0 & -\frac{R_3}{C} & -\frac{R_9}{C} \\ -\frac{R_3}{C} & -\frac{R_9}{C} \\ -\frac{R_3}{C} & -\frac{R_9}{C} \end{pmatrix} \times \begin{pmatrix} 0 & -\frac{R_3}{C} & -\frac{R_9}{C} \\ -\frac{R_3}{C} & -\frac{R_9}{C} \\ -\frac{R_3}{C} & -\frac{R_9}{C} \end{pmatrix} \times \begin{pmatrix} 0 & -\frac{R_3}{C} & -\frac{R_9}{C} \\ -\frac{R_9}{C} -\frac{R_9}{C}$$

wherein x, y, and z each is zero or one;

at least one of x, y, and z is one;

R" is benzyl, phenyl, partially or fully fluorinated benzyl or phenyl, C_jH_{2j+1} , or $C_jH_aF_b$ wherein j is an integer between one and (13-3(x+y+z)), inclusive, a and b each is independently an integer between zero and 2j+1, inclusive, and a+b=2j+1;

 R_{1-12} are independently $C_mH_nF_p$ or $C_dH_eF_g$ where m is an integer between zero and two, inclusive, n and p are integers between zero and five, inclusive and n+p=2m+1, d is an integer between zero and two, inclusive, e and g are integers between zero and five, inclusive, and e+g=2d+1; and

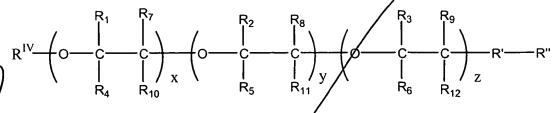
R' is O, S, carbonyl or ester;

wherein when the pressurized fluid solvent is liquid carbon dioxide, the liquid carbon dioxide is under a pressure between approximately 600 pounds per square inch to approximately 1050 pounds per square inch.

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33. (Amended twice) A process for cleaning substrates comprising:

cleaning the substrates with an organic solvent in absence of liquid carbon dioxide; and removing the organic solvent from the substrates using a pressurized fluid solvent; wherein the organic solvent is of the structural formula:



wherein x, y, and z each is zero or one;

at least one of x, y, and z is one;

R" is C_jH_{2j+1} or $C_jH_uF_v$ and R^{IV} is C_kH_{2k+1} or $C_kH_rF_s$ wherein j and k are each an integer between one and (13-3(x+y+z)), inclusive, and j+k is an integer between two and (13-3(x+y+z)), inclusive, u and v are each an integer between zero and 2j+1, inclusive, and u+v=2j+1, and r and s are each an integer between zero and 2k+1, inclusive, and r+s=2k+1, and if k equals zero, then s equals zero;

 R_{1-3} and R_{10-12} are independently $C_mH_nF_p$, where m is an integer between zero and two, inclusive, n and p are integers between zero and five, inclusive and n+p=2m+1;

R₄₋₉ are independently H, F or CH₃; and

R' is O, S, carbonyl or ester, and if R' is O or S and j equals zero then v equals zero; wherein when the pressurized fluid solvent is liquid carbon dioxide, the liquid carbon dioxide is under a pressure between approximately 600 pounds per square inch to approximately 1050 pounds per square inch.

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50. (Amended twice) A process for cleaning substrates comprising: cleaning the substrates with an organic solvent in absence of liquid carbon dioxide; and removing the organic solvent from the substrates using a pressurized fluid solvent; wherein the organic solvent is of the structural formula:



$$R^{IV} - \left(O - \begin{matrix} R_1 & R_7 \\ C & C \\ R_4 & R_{10} \end{matrix}\right) \times \left(O - \begin{matrix} R_2 & R_8 \\ C & C \\ R_5 & R_{11} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & C \\ R_{12} & C \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & C \\ R_{12} & C \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_3 & R_9 \\ C & R_{12} \end{matrix}\right) \times \left(O - \begin{matrix} R_1 & R_1 \\ C & R_1 \end{matrix}\right) \times \left(O - \begin{matrix} R_1 & R_1 \\ C & R_1 \end{matrix}\right) \times \left(O - \begin{matrix}$$

wherein x, y, and z are each zero or one;

at least one of x, y, and z is one;

R" is selected from the group consisting of:

Н;

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wherein R''' is H, F or combinations of H and F;

R^{IV} is selected from the group consisting of:

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wherein R^V is H, F or combinations of H and F; and

when R" is H or F, RIV is not H or F;

R₁₋₃ are independently H, F, CH₃, CH₂F, CHF₂ or CF₃; and

R₄₋₁₂ are independently H or F;

wherein when the pressurized fluid solvent is liquid carbon dioxide, the liquid carbon dioxide is under a pressure between approximately 600 pounds per square inch to approximately 1050 pounds per square inch.

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57. (Amended twice) A process for cleaning substrates comprising:

cleaning the substrates with an organic solvent in absence of liquid carbon dioxide; and removing the organic solvent from the substrates using a pressurized fluid solvent; wherein the organic solvent is of the structural formula:

BY

$$R \longrightarrow C_X H_{2X} \longrightarrow N$$

wherein R' is

$$H_{j} \xrightarrow{ \left(R^{||V|} \right)} \begin{bmatrix} R^{|V|} & R^{|V|} \\ C & C \\ R^{|V|} & R^{|V|} \end{bmatrix} k$$

R" is independently

$$H_{j} \xrightarrow{\qquad \qquad } \begin{pmatrix} R^{IV} & R^{IV} \\ \begin{matrix} I & \end{matrix} \\ C & \begin{matrix} C \end{matrix} \\ \begin{matrix} I \end{matrix} \\ R^{IV} & \begin{matrix} R^{IV} \end{matrix} \end{pmatrix} n$$

wherein R'''/is O and j is 1 or R''' is N and j is 2;

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n is an integer between zero and two;

 R^{IV} are each independently H, CH_3 or CH_2CH_3 and k is an integer between zero and two inclusive; and wherein R is C_yH_{2y+1} and y is an integer between one and (12- (3k+3n+x)) inclusive,

and x is an integer between one and (12-(3k+y)), inclusive;

wherein when the pressurized fluid solvent is liquid carbon dioxide, the liquid carbon dioxide is under a pressure between approximately 600 pounds per square inch to approximately 1050 pounds per square inch.

(Amended twice) A process for cleaning substrates comprising: 58.

cleaning the substrates with an organic solvent in absence of liquid carbon dioxide; and removing the organic solvent from the substrates using a pressurized fluid solvent; wherein the organic solvent is of the structural formula:

$$R \longrightarrow C_X H_{2X} \longrightarrow O \longrightarrow \begin{pmatrix} R^{IV} & R^{IV} \\ C & C \\ R^{IV} & R^{IV} \end{pmatrix} \stackrel{}{k} \longrightarrow H$$

wherein R" is O or NH;

 R^{IV} are each independently H, CH_3 or CH_2CH_3 and k is an integer between zero and two inclusive; and

wherein R is C_yH_{2y+1} and y is an integer between one and (12- (3k+x)) inclusive, and x is an integer between one and (12-(3k+v)), inclusive;

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wherein when the pressurized fluid solvent is liquid carbon dioxide, the liquid carbon dioxide is under a pressure between approximately 600 pounds per square inch to approximately 1050 pounds per square inch.